Amendments to the Claims:

Please cancel claims 1 to 7 as presented in the underlying International Application No. PCT/EP2004/010800 without prejudice.

Please add the following new claims as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 7 (canceled).

Claim 8 (new):   A method for performing inter-vehicle distance control on a vehicle comprising:

determining an actual value of a distance variable describing a distance between the vehicle and a vehicle traveling in front;

determining a plurality of weighting values for the distance variable as a function of input variables describing a driving situation of the vehicle and/or an ambient situation of the vehicle and/or a driving behavior of a driver and determining a set point value for the distance variable as a function of the input variables

actuating a brake and/or driving device of the vehicle so that the determined actual value of the distance variable assumes the determined set point value of the distance variable; and

multiplying the weighting values by one another to determine the set point value of the distance variable.

Claim 9 (new):   The method as claimed in claim 8 wherein to determine the set point value of the distance variable a geometric average of the weighting values is formed.

Claim 10 (new):   The method as claimed in claim 8 wherein to determine the set point value of the distance variable the multiplied weighting values are restricted to a predefined value range.

Claim 11 (new): The method as claimed in claim 10 wherein the value range is defined by predefining an upper and a lower limiting value for the multiplied weighting values, the limiting values being predefined as a function of driving state variables describing the driving state of the vehicle.

Claim 12 (new): The method as claimed in claim 8 wherein the multiplied weighting values for determining the set point value of the distance variable are multiplied by a predefined reference value for the distance variable, the reference value being predefined as a function of driving state variables describing the driving state of the vehicle.

Claim 13 (new): The method as claimed in claim 11 further comprising issuing a driver warning to the driver of the vehicle if the determined actual value of the distance variable drops below the set point value of the distance variable given by the lower limiting value of the multiplied weighting values.

Claim 14 (new): A device for performing inter-distance control on a vehicle comprising:

an evaluation unit determining an actual value of a distance variable describing a distance between the vehicle and a vehicle traveling in front, the evaluation unit determining a plurality of weighting values for the distance variable as a function of input variables describing a driving situation of the vehicle and/or an ambient situation of the vehicle and/or a driving behavior of a driver, the evaluation unit in turn determining as a function of the weighting values a set point value for the distance variable, the evaluation unit actuating a brake and/or driving device of the vehicle so that the determined actual value of the distance variable assumes the determined set point value of the distance variable, and to determine the set point value of the distance variable the evaluation unit multiplies the weighting values by one another.